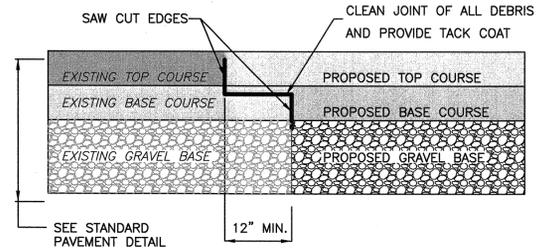


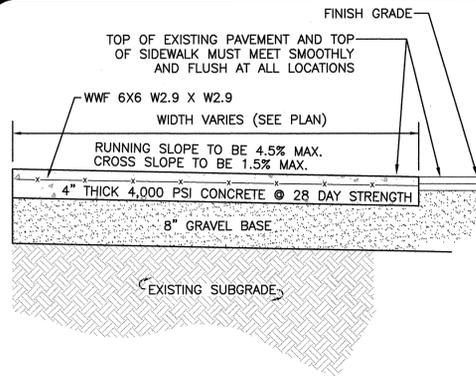
- NOTES:
1. SURFACE COURSE, BASE, AND SUBGRADE SHALL BE PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS FOR LOCAL SOILS OR DRAINAGE CONDITIONS AND/OR METHODS.
  2. SUBGRADE SHALL BE COMPACTED TO 95% OF PROCTOR.
  3. COORDINATE PAVEMENT DETAIL WITH GEOTECH & ENGINEER.
- STANDARD DUTY PAVING
- A = 1.5" ASPHALT CONCRETE - SURFACE COURSE (M3.11.03, TABLE A, TOP COURSE)  
 1.5" ASPHALT CONCRETE - BINDER COURSE (M3.11.03, TABLE A, BINDER COURSE)
- B = 12" GRANULAR BASE COARSE MIN. - M1.03.1, PROCESSED GRAVEL FOR SUBBASE

STANDARD DUTY BITUMINOUS ROADWAY  
NOT TO SCALE 1

NOTE:  
TACK COAT - PROVIDE EMULSIFIED ASPHALT WHICH CONFORMS TO THE REQUIREMENTS OF THE STATE SPECIFICATIONS, DILUTED WITH ONE PART WATER TO ONE ONE PART ASPHALT FOLLOWING AASHTO M140/ASTM D997, OR AASHTO M208/ASTM D2397, SS-1H, CSS-1, OR CSS-1H.

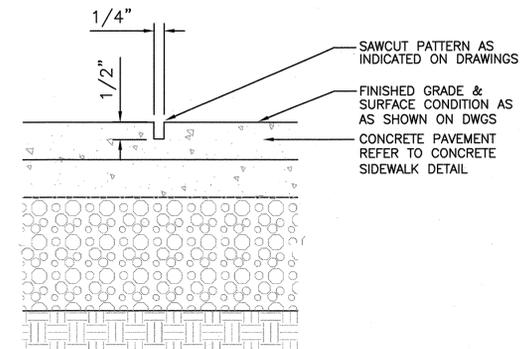


PAVEMENT KEY CUT DETAIL  
NOT TO SCALE 2

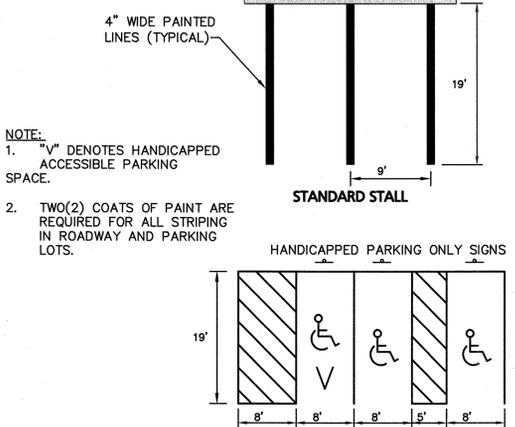


- NOTES:
1. SIDEWALK TO HAVE TOOLED JOINTS IN A 5' x 5' (TYP.) GRID WITH EXPANSION JOINTS 15' ON CENTER AND PREMOLDED FILLER.
  2. TOOLED JOINT 6" FROM FACE OF CURB
  3. ALL WALKS TO MEET APPLICABLE ADA & MA AAB REGULATIONS.

CONCRETE SIDEWALK DETAIL  
NOT TO SCALE 3

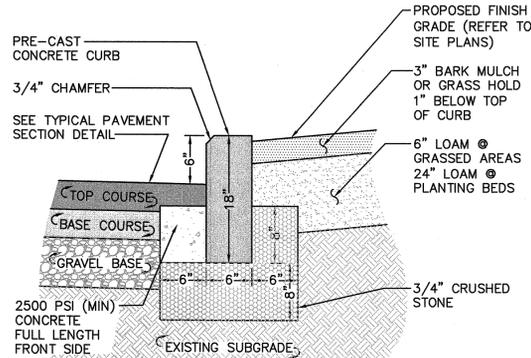


TYPICAL CONCRETE SAWCUT JOINT CONTROL  
NOT TO SCALE 4

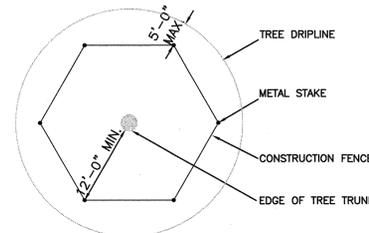


- NOTE:
1. "V" DENOTES HANDICAPPED ACCESSIBLE PARKING SPACE.
  2. TWO(2) COATS OF PAINT ARE REQUIRED FOR ALL STRIPING IN ROADWAY AND PARKING LOTS.

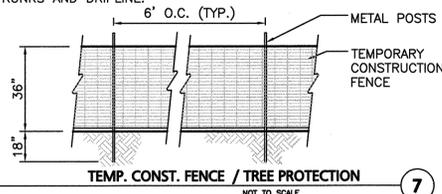
HANDICAPPED AND STANDARD STALL DETAIL  
NOT TO SCALE 5



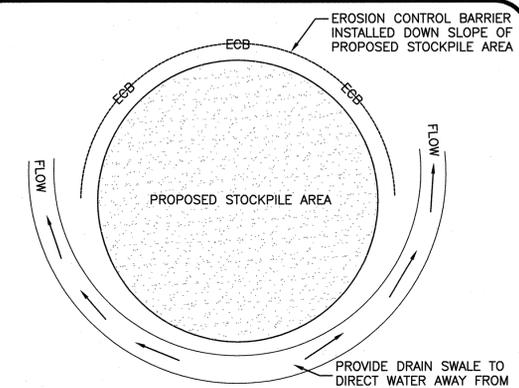
PRE-CAST CONCRETE CURB DETAIL  
NOT TO SCALE 6



- NOTE:
1. CONSTRUCTION FENCE TO BE "VISUAL BARRIER FENCE" AS MANUFACTURED BY EXXON CHEMICAL COMPANY ATLANTA, GA; "KONTROL SAFETY FENCE" AS MANUFACTURED BY MIRAFI, CHARLOTTE, N.C. OR APPROVED EQUAL.
  2. IF GROUPS OF TREES ARE TO BE PROTECTED, EXTEND FENCE AROUND PERIMETER TO CONFORM TO MINIMUM DIMENSIONS FOR TREE TRUNKS AND DRIPLINE.

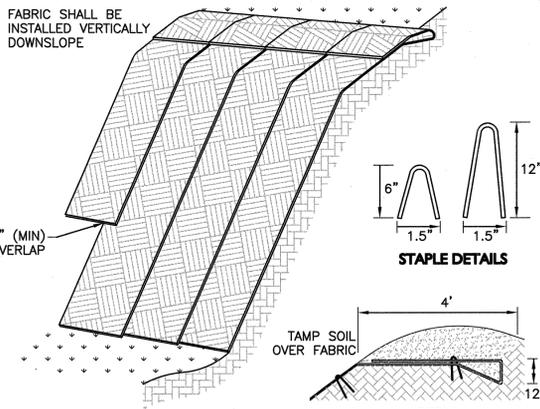


TEMP. CONST. FENCE / TREE PROTECTION  
NOT TO SCALE 7



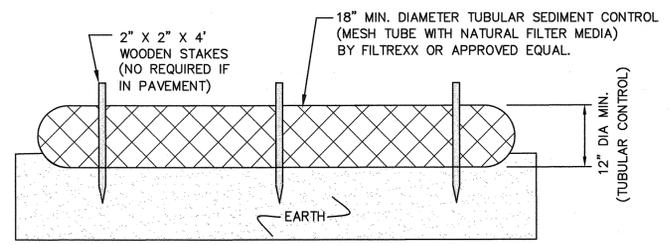
- NOTES:
1. SOIL AND FILL STOCKPILES EXPECTED TO REMAIN IN PLACE FOR LESS THAN 90 DAYS SHALL BE COVERED WITH STRAW AND MULCH (AT 100LBS/1,000 SF), OR WITH AN ANCHORED TARP WITHIN 7 DAYS OR PRIOR TO ANY RAINFALL.
  2. SOIL AND FILL STOCKPILES EXPECTED TO REMAIN IN PLACE FOR 90 DAYS OR MORE SHALL BE SEEDED WITH WINTER RYE (FOR FALL SEEDING AT 1LB/1,000 SF) OR OATS (FOR SUMMER SEEDING AT 2LB/1,000 SF) AND THEN COVERED WITH HAY MULCH (AT 100LB/1,000 SF) OR AN ANCHORED TARP WITHIN 7 DAYS OR PRIOR TO ANY RAINFALL.

STOCKPILE PROTECTION  
NOT TO SCALE 8



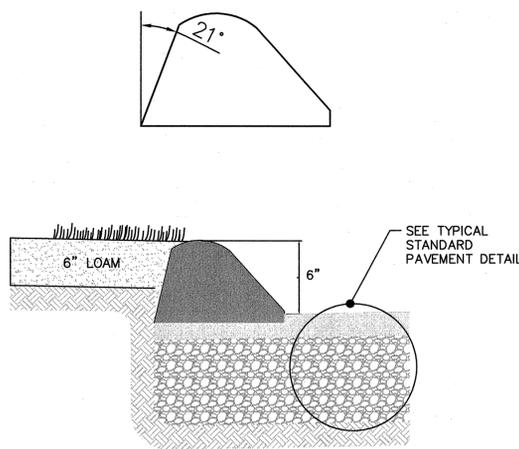
- NOTE:
1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. FABRIC SHALL HAVE GOOD SOIL CONTACT.
  2. APPLY PERMANENT SEEDING BEFORE PLACING FABRIC.
  3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
  4. CHOOSE MATERIAL BASED ON SLOPE, SOILS, AND APPLICATION.

EROSION CONTROL FABRIC  
NOT TO SCALE 9



- NOTES:
1. ALL MATERIALS TO MEET MANUFACTURERS SPECIFICATIONS.
  2. DIG TRENCH AND PLACE TUBULAR SEDIMENT CONTROLS. INSTALL WOODEN STAKES THROUGH COIR LOG MESH AND INTO EARTH EVERY 5' O.C. TIE ADJACENT LOGS TOGETHER WITH BIODEGRADABLE TWINE AND OVERLAP LOGS A MINIMUM OF 12".
  3. THE CONTRACTOR SHALL MAINTAIN THE TUBULAR SEDIMENT CONTROLS IN A FUNCTIONAL CONDITION AT ALL TIMES. THE CONTROLS SHALL BE ROUTINELY INSPECTED BY THE CONTRACTOR.
  4. WHERE THE TUBULAR SEDIMENT CONTROLS REQUIRE REPAIR OR SEDIMENT, IT WILL BE ROUTINELY COMPLETED BY THE CONTRACTOR AT NO ADDITIONAL COST.
  5. AT A MINIMUM, THE CONTRACTOR SHALL REMOVE SEDIMENTS COLLECTED AT THE BASE WHEN THEY REACH 1/3 THE EXPOSED HEIGHT OF THE , OR IF MORE FREQUENTLY AS DIRECTED BY THE ENGINEER.

TUBULAR SEDIMENT CONTROLS  
NOT TO SCALE 10



BITUMINOUS CONCRETE CURB  
(ONLY FOR REPLACEMENT OF EXISTING CURB AT SOUTHERN SIDE OF SIDEWALK)  
NOT TO SCALE 11



PROFESSIONAL ENGINEER FOR ALLEN & MAJOR ASSOCIATES, INC.

REV	DATE	DESCRIPTION

APPLICANT/OWNER:  
100 DISCOVERY WAY LLC  
259 TURNPIKE ROAD, SUITE 100  
SOUTHBOROUGH, MA 01772

PROJECT:  
BUILDING ADDITION  
100 DISCOVERY WAY  
ACTON, MA 01720

PROJECT NO. 1453-03 DATE: 11-07-13

SCALE: N.T.S. DWG. NAME: C1453-03

DESIGNED BY: RB/KEA CHECKED BY: TJW

PREPARED BY:

**ALLEN & MAJOR ASSOCIATES, INC.**  
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 environmental consulting • landscape architecture  
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DRAWING TITLE: SHEET No.

DETAILS D-1